

	Type	L #	Hits	Search Text	DBs	Time Stamp
1	BRS	L1	12649 8	yamada.in.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/10/21 13:52
2	BRS	L2	2334	kiyohara.in.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/10/21 13:52
3	BRS	L3	32962	nagai.in.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/10/21 13:53
4	BRS	L4	10473	aizawa.in.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/10/21 13:53
5	BRS	L5	25237 1	suzuki.in.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/10/21 13:53
6	BRS	L6	878	susa.in.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/10/21 13:53
7	BRS	L7	13174 1	kato.in.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/10/21 13:53
8	BRS	L8	2337	nagamine.in.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/10/21 13:53
9	BRS	L9	54666 8	11 or 12 or 13 or 14 or 15 or 16 or 17 or 18	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/10/21 13:55
10	BRS	L10	11654	saponin	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/10/21 13:55
11	BRS	L11	2	110 with presenegenin	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/10/21 13:56
12	BRS	L12	4	110 and presenegenin	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/10/21 13:57
13	BRS	L13	2275	424/184.1.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/10/21 13:57
14	BRS	L14	152	424/207.1.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/10/21 13:58
15	BRS	L15	513	424/208.1.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/10/21 13:58
16	BRS	L16	215	424/209.1.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/10/21 13:58
17	BRS	L17	101	424/212.1.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/10/21 13:58
18	BRS	L18	101	424/215.1.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/10/21 13:58
19	BRS	L19	894	424/234.1.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/10/21 13:59
20	BRS	L20	104	424/241.1.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/10/21 13:59
21	BRS	L21	230	424/248.1.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/10/21 14:00
22	BRS	L22	71	424/263.1.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/10/21 14:00
23	BRS	L23	58	424/264.1.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/10/21 14:00
24	BRS	L24	75	424/272.1.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/10/21 14:00
25	BRS	L25	228	424/265.1.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/10/21 14:01
26	BRS	L26	851	424/278.1.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/10/21 14:02
27	BRS	L27	6	presenegenin	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/10/21 14:02
28	BRS	L28	3	onjisaponin	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/10/21 14:02
29	BRS	L29	60	polygalae adj radix	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/10/21 14:03

	Type	L #	Hits	Search Text	DBs	Time Stamp
30	BRS	L30	96710	adjuvant	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/10/21 14:03
31	BRS	L31	2	129 and 130	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/10/21 14:04
32	BRS	L32	3642	113 or 114 or 115 or 116 or 117 or 118 or 119 or 120	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/10/21 14:04
33	BRS	L33	1436	121 or 122 or 123 or 124 or 125 or 126	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/10/21 14:05
34	BRS	L34	4527	132 or 133	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/10/21 14:05
35	BRS	L35	14	134 and 19	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/10/21 14:05

	Type	L #	Hits	Search Text	DBs	Time Stamp
1	BRS	L1	11654	saponin	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/10/21 14:07
2	BRS	L2	96710	adjuvant	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/10/21 14:07
3	BRS	L3	2290	11 with 12	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/10/21 14:07
4	BRS	L6	0	14 and polygalae	USPAT; EPO; JPO; DERWENT	2004/10/21 14:08
5	BRS	L4	309	13 with antigen	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/10/21 14:09

	Type	L #	Hits	Search Text	DBs	Time Stamp
1	BRS	L1	6134	yabe.in.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/10/21 14:28
2	BRS	L2	4	l1 and saponin	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/10/21 14:28

FILE 'REGISTRY' ENTERED AT 14:14:43 ON 21 OCT 2004

L1 0 S SAPONIN/RN  
L2 1 S SAPONIN/CN  
L3 0 S ONJISAPONIN/CN  
L4 1 S PRESENEGENIN/CN

FILE 'MEDLINE, BIOSIS, EMBASE, CAPLUS, SCISEARCH' ENTERED AT 14:17:11 ON  
21 OCT 2004

L5 0 S 11006-75-0  
L6 0 S 11006-75-0  
L7 32 S 2163-40-8  
L8 3143 S 8047-15-2  
L9 0 S L7 AND L8  
L10 24 S L7 AND SAPONIN  
L11 24 DUP REM L10 (0 DUPLICATES REMOVED)  
L12 0 S L11 AND ADJUVANT  
L13 25590 S (YAMADA, H?)/AU  
L14 933 S (KIYOHARA, H?)/AU  
L15 1533 S (YABE, T?)/AU  
L16 397 S (AIZAWA, C?)/AU  
L17 43795 S (SUZUKI, Y?)/AU  
L18 34 S (SUSA, I?)/AU  
L19 33425 S (KATO, T?)/AU  
L20 1814 S (NAGAMINE, T?)/AU  
L21 106352 S L13-L20  
L22 7 S L21 AND L8  
L23 7 DUP REM L22 (0 DUPLICATES REMOVED)

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DICTIONARY FILE UPDATES: 20 OCT 2004 HIGHEST RN 766487-31-4

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<http://www.cas.org/ONLINE/DBSS/registryss.html>

=> s saponin/rn  
L1 0 SAPONIN/RN

=> s saponin/cn  
L2 1 SAPONIN/CN

=> d

L2 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2004 ACS on STN  
RN 8047-15-2 REGISTRY \*

\* Use of this CAS Registry Number alone as a search term in other STN files may  
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RN\* at an online arrow prompt (=>).

CN Saponins (CA INDEX NAME)

OTHER NAMES:

CN Glycosides, sapogenin

CN Sapogenins, glycosides

CN **Saponin**

CN Saponosides

DR 11006-75-0

MF Unspecified

CI MAN, CTS

LC STN Files: ADISNEWS, AGRICOLA, ANABSTR, AQUIRE, BIOSIS, BIOTECHNO, CA,  
CAOLD, CAPLUS, CHEMCATS, CHEMLIST, CIN, CSCHM, CSNB, EMBASE, IFICDB,  
IFIPAT, IFIUDB, MEDLINE, MSDS-OHS, NAPRALERT, NIOSHTIC, RTECS\*,  
TOXCENTER, USPATFULL

(\*File contains numerically searchable property data)

Other Sources: DSL\*\*, EINECS\*\*

(\*\*Enter CHEMLIST File for up-to-date regulatory information)

DT.CA Caplus document type: Journal; Patent

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

4 REFERENCES IN FILE CA (1907 TO DATE)

4 REFERENCES IN FILE CAPLUS (1907 TO DATE)

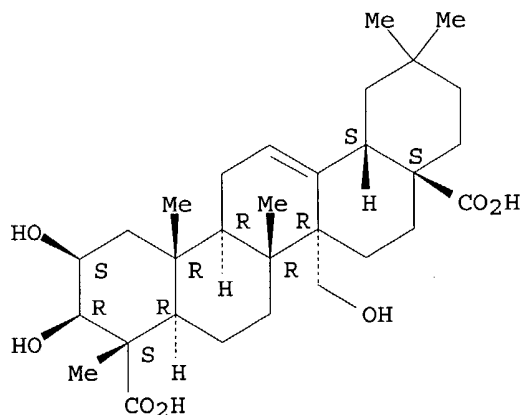
=> s onjisaponin/cn  
L3 0 ONJISAPONIN/CN

=> s presenegenin/cn  
L4 1 PRESENEGENIN/CN

=> d

L4 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2004 ACS on STN  
RN 2163-40-8 REGISTRY  
CN Olean-12-ene-23,28-dioic acid, 2,3,27-trihydroxy-,  
(2 $\beta$ ,3 $\beta$ ,4 $\alpha$ )-(9CI) (CA INDEX NAME)  
OTHER CA INDEX NAMES:  
CN Olean-12-ene-23,28-dioic acid, 2 $\beta$ ,3 $\beta$ ,27-trihydroxy- (7CI, 8CI)  
OTHER NAMES:  
CN 2 $\beta$ ,3 $\beta$ ,27-Trihydroxy- $\Delta$ 12-oleanene-23,28-dioic acid  
CN 2 $\beta$ ,3 $\beta$ ,27-Trihydroxyolean-12-ene-23,28-dioic acid  
CN **Presenegenin**  
FS STEREOSEARCH  
MF C30 H46 O7  
LC STN Files: AGRICOLA, BEILSTEIN\*, BIOBUSINESS, BIOSIS, CA, CAOLD, CAPLUS,  
MEDLINE, TOXCENTER  
(\*File contains numerically searchable property data)  
DT.CA Caplus document type: Journal; Patent  
RL.P Roles from patents: BIOL (Biological study)  
RL.NP Roles from non-patents: BIOL (Biological study); OCCU (Occurrence);  
PREP (Preparation); PRP (Properties); RACT (Reactant or reagent); USES  
(Uses); NORL (No role in record)  
RLD.NP Roles for non-specific derivatives from non-patents: ANST (Analytical  
study); BIOL (Biological study)

Absolute stereochemistry.



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

22 REFERENCES IN FILE CA (1907 TO DATE)  
5 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
22 REFERENCES IN FILE CAPLUS (1907 TO DATE)  
1 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

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=> file registry

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.21

0.21

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